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## REMARKS

Claims 28-52 are currently pending in this application.

Claims 1-4, 6-15, 17-18 and 27 are cancelled without prejudice or disclaimer to the subject matter contained therein.

New claims 28-52 are added to better define embodiments of the present invention.

Claims 1-4, 6-15, 17-18 and 27 were rejected as allegedly being anticipated by US Patent No. 5,832,411 to Schatzmann et al. (hereinafter "Schatzmann"). The Examiner contends that Schatzmann discloses each and every element as defined by the claims.

As indicated above, claims 1-4, 6-15, 17-18 and 27 have been cancelled without prejudice and new claims 28-52 have been added.

It is submitted that the invention as defined by claims 28-52 is distinguishable and patentable over Schatzmann.

For instance, independent claim 28 is directed to a method for determining an emission source which includes measuring concentrations at a single measurement point, collating the measured concentrations with one or more wind vectors to produce an emissions plot, wherein the emissions plot comprises one or more plumes which are indicative of the emission source.

Independent claim 32 is directed to a method for determining an emission source which includes measuring concentrations at a single measurement point and changes in wind velocity over time and generating a trajectory based on the measured concentrations and changes in velocity, and projecting back along the trajectory (e.g. in the direction of the emission) to identify a possible emission source. Independent claim 36 comprises generating two or more trajectories and overlapping the trajectories to determine an emission source.

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Independent claim 40 is directed to a method for determining the source of an emission which includes measuring concentrations of the emission using a moving sensor and tracking positions of the sensor and mapping the positions of the sensor to the measured concentrations. Independent claim 44 is directed to a method for determining a gas concentration using a sensor which includes monitoring the sensor output and determining differences in the rate of change for the sensor output under different exposure conditions.

It is submitted that Schatzmann does not teach or disclose these and other features as recited in independent claims 28, 32, 36, 40 and 44.

In view of the foregoing, it is submitted that the subject application is in condition for allowance and favorable reconsideration is respectfully requested. If it is believed that a telephone interview would advance prosecution of the present application, the Examiner is invited to telephone, collect if necessary, the Applicant's representative Bill Vass at (416) 777-7490.

Respectfully submitted,

DENNIS S. PRINCE



William B. Vass  
Registration No. 36,416

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Toronto, Ontario  
CANADA  
WBV/cl

DMSTORLegal\056646\00001\577489v1

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